



# MCDOT NEWS

News from the Montgomery County Department of Transportation, Division of Highway Services

## Carroll Knolls Phase I Residential Resurfacing Project

### Roadway Repairs to Begin in April, Includes Road Milling and Paving

**PURPOSE**

This newsletter is to inform you of the upcoming road repairs and resurfacing of the Carroll Knolls subdivision. This pavement system preservation project employs long term strategies to preserve and enhance the physical and operating conditions of the roadway system as it exists and will produce a system serviceable for many years. This project falls under the County’s Residential Roadway Resurfacing Program.

**BACKGROUND**

The Montgomery County Department of Transportation’s (MCDOT) Division of Highway Services (DHS) maintains over 5,136 lane miles of streets and highways in the county’s transportation system. As part of our pavement system preservation efforts, MCDOT initiated a new Pavement Management System in 2008. MCDOT recently completed a third countywide pavement condition survey of all county roads, identifying and rating the condition of each. This pavement management system has enabled the development of countywide roadway pavement repair schedules based on a formula based rating system coupled with budgetary parameters.

**SCOPE OF PROJECT**

Overall, pavement conditions in Carroll Knolls were generally rated as fair, with some areas described as needing more attention. This rating meets the criteria for Residential Roadway Preservation consisting of full-depth permanent patching followed by hot mix asphalt (HMA) overlay.

**SCHEDULE**

This project is scheduled to begin in April 2015, and will take ten weeks to complete, weather and other operational requirements permitting. Work hours will be between 7:00 am and 5:00 pm, Monday through Friday.

**PROJECT WORK PLAN**

Generally, the work will proceed as follows:

**1. Conduct survey** — MCDOT inspectors will identify areas of pavement that, prior to resurfacing, may require full depth asphalt patching of the pavement or other repairs. These areas are marked by white paint.



Typical paint markings.

**2. Full Depth Patching** – Full depth patching restores the pavement’s structural integrity and capacity to support vehicle loads. The areas of distressed pavement marked by the MCDOT inspectors is removed and replaced by new pavement. The final paving of the road will cover these patched areas.



Typical milling operation.

**3. Pavement milling/edge milling**- Edge milling/grinding off the edges of the existing pavement near curbs and driveways allows the new pavement to match the level of the existing curbs, etc., and restores the proper highway cross-section to improve ride-ability and drainage. The new pavement will provide a smoother ride and assure positive drainage.

**4. Utility Adjustments** - Sewer and storm drain manholes, water valves and gas valves, and other underground utility access covers need to be elevated to the same grade as the proposed pavement, usually 1” to 2”. During construction activities, all utility surface adjustments will be maintained by the placement of temporary HMA ramps until placement of final paving occurs (up to three weeks depending on other operational requirements).

**5. Paving with hot mix asphalt** - Asphalt is delivered to the site in dump trucks. The hot material is transferred into the hopper of an asphalt paving machine such as the one depicted in the photo. The paving machine places the hot asphalt in a uniform thickness and provides initial compaction. Following placement, steel wheeled rollers complete the compaction effort until field testing indicates that all relevant specifications have been met.



Typical asphalt paving operation.

**6. Raise the edge of the roadway** - Contractors will apply soil, grass seed and straw to bring the shoulder up to the same level as the newly applied pavement.

**7. Replace roadway lane markings** - Permanent lane markings, if existing prior to paving, will be remarked shortly after all paving operations have been completed.

**IMPACTS**

Continuous traffic will be maintained at all times utilizing lane closures and/or alternating one-way traffic patterns. However, minor traffic delays may be experienced as flaggers manually direct traffic safely through the construction zone. Street paving will necessitate temporary lane closures and temporary parking restrictions. Signs will be posted identifying such restrictions. Access to residences will be available at all times, however minor delays may be experienced as workers restrict traffic from freshly placed hot mix asphalt.

Generally speaking this work is best characterized as noisy and disruptive. However, MCDOT and its contractors will take all necessary steps to mitigate any inconveniences this work may cause.

Quality control for the entire project will be managed by County inspection staff to ensure that the project meets contract specifications.

*We apologize in advance for any unavoidable inconvenience and thank you for your cooperation and patience as we work to improve the County infrastructure for residents and users.*



**MONTGOMERY COUNTY, MARYLAND**  
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***KEEPING MONTGOMERY MOVING***

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# NOTICE OF CARROLL KNOLLS RESIDENTIAL PAVING PROJECT IN SILVER SPRING

### SAFETY NOTICE

Please drive gently and safely through the work site and kindly remember that while repair work is underway, personnel and construction vehicles will be moving around the site. Some materials may be stored in the area. Please use caution when walking or driving through the construction zone. Children may be attracted to the noise and machinery, so we ask that you please keep all children under close supervision at all times, even after the work is completed for the day. Also, please follow the direction of flaggers and temporary signs and traffic control devices. We appreciate your patience and cooperation while we make these much needed improvements to the infrastructure.

### IMPORTANT MCDOT CONTACTS

**Project Manager:**            Nicholas Boone                    240-777-7648

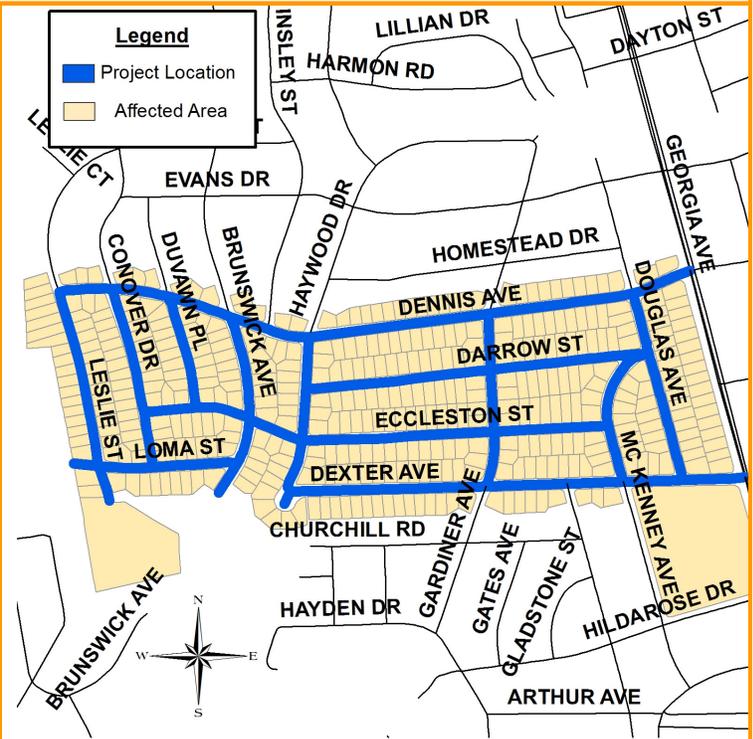
**Program Manager:**        Donald Noble                      240-777-7601

Should your questions be of a more general nature please contact the MC311 Call Center by dialing 311 or 240-777-0311.

**DHS Email:**                mcdot.highway@montgomerycountymd.gov

**DHS Website:**            www.montgomerycountymd.gov/DOT-Highway/

On the Highway Services Map, click on the **Silver Spring** Service Area, where you will find additional roadway maintenance projects scheduled in your area.



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